

SEARCH REQUEST FORM**Scientific and Technical Information Center**

Requester's Full Name: Aravind Moorthy Examiner #: 79378 Date: 1/24/03
 Art Unit: 2131 Phone Number 305-1373 Serial Number: 69/814,607
 Mail Box and Bldg/Room Location: 112-4B14 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method for Biometric Authentication through layering biometric traits

Inventors (please provide full names): Murakami, Rick V.; Hinton, Clark J.; Pettit, Matthew W

Earliest Priority Filing Date: 3/22/01

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

- 1) reading a first unique, hemodynamic waveform of an individual
- 2) analyzing waveform to identify unique traits
- 3) reading a second unique, internal physiological trait of an individual
- 4) authenticating the identity of the individual if the waveform and physiological trait correspond with previously enrolled traits
- 5) let the first live internal biological identifier be a heartbeat waveform measured by reflecting light off of the subdermal layers of skin tissue of the individual.

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**